

Date: Wed, 21 Jul 93 00:30:13 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #883
To: Info-Hams

Info-Hams Digest Wed, 21 Jul 93 Volume 93 : Issue 883

Today's Topics:

 ARRL Bulletin 075
Communities that... DUANE - PR - NON-ARRL HAMS READ THIS
 Create Antennas
 Foreigner getting US liscence ?
 Info on Icom P2AT
 Radio Shack (2 msgs)
 TNC keys DJ-580
 TS-50, type-acceptance
 TS50 Illegal! (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 21 Jul 1993 03:07:03 GMT
From: olivea!pagesat!spssig.spss.com!feenix.metronet.com!marcbg@uunet.uu.net
Subject: ARRL Bulletin 075
To: info-hams@ucsd.edu

SB QST @ ARL \$ARLB075
ARLB075 Board meeting news

ZCZC AG17
QST de W1AW
ARRL Bulletin 75 ARLB075
>From ARRL Headquarters
Newington CT July 18, 1993
To all radio amateurs

SB QST ARL ARLB075
ARLB075 Board meeting news

The ARRL Board of Directors met in Windsor Locks, Connecticut, July 16-17. The following is a summary of the actions taken:

The Board adopted the recommendations of its Digital Committee, and, accordingly, will seek from the FCC regulations to permit semiautomatic digital operation below 30 MHz on frequencies authorized for data emissions, outside of the proposed new subbands for automatic operation. Bandwidth of digital transmissions of such operations would be limited to 500 Hz, and transmissions would be permitted only in response to stations under active operator control. Digital operators will be cautioned to strictly adhere to IARU band plans for digital operation. ARRL will develop, through its Digital Committee, operating guidelines for semiautomatic operation.

The League will also petition the FCC to seek relief from regulatory restrictions on HF digital operations to further the amateur service's ability to contribute to the advancement of the radio art.

The Board affirmed its commitment to have the League serve as the club and military recreation station call sign administrator on behalf of the FCC on an unconditional basis.

The ARRL Friendship Award was created to encourage friendly contact between radio amateurs and the discovery of new friends through personal communication.

The League will publish a DXCC Yearbook to be distributed to active DXCC participants who are League members at no charge.

The League will petition the FCC to establish a lifetime operator license for the Amateur Radio Service.

A new Amateur Auxiliary Training Manual was approved by the Board, subject to the receipt of an updated memorandum of understanding between the ARRL and the FCC.

In response to a recommendation from its Industry Advisory Council, the Board stated its support for the concept of plug-to-plug compatibility between Amateur Radio equipment.

The Board accepted DXAC-recommended DXpedition operating practices and urged their widest practical distribution.

The Board committed League support for the FCC efforts to implement electronic filing of license and upgrade applications. The General Counsel was directed to file comments opposing any attempt by any authority, other than FCC, to provide a point-of-examination temporary operating authority.

The Board endorsed the concept of an international Amateur Radio permit, similar in nature to the international driver's license. It urged that the foundation be laid for the submission of a proposal to create such a permit to a future ITU conference.

A new Spectrum Management Committee was created to address changes brought about by new technology.

The Board affirmed its policy of seeking expansion of the 20-meter band from 14.350 to 14.400 MHz.

Chris Anziano, KD10X, was selected as the recipient of the Hiram Percy Maxim Memorial Award for 1992. James McCauley, AB6EU, won the Excellence in Recruiting Award.

The Philip J. McGan Silver Antenna Award was awarded to Gary Pearce, KN4AQ. The award recognizes excellence in public relations.

The Board bestowed the Technical Excellence Award for 1992 upon Kenneth Macleish, W7TX, for his article, "Why an Antenna Radiates," which appeared in the November 1992 issue of QST.

James Stafford, W4Q0, was picked as the Herb S. Brier Instructor of the Year. Robert Murais, KC1IV, won honors as the Professional Teacher of the Year.

Field Organization Volunteers of the Year were recognized by the Board.

The Board commended the SAREX Working Group, the Johnson Space Center Amateur Radio Club, and the participating astronauts for SAREX efforts.

The Headquarters staff was commended for its efforts in eliminating the DXCC backlog.

Watch for the full story in September QST

NNNN

/EX

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Marc B. Grant, N5MEI | marcbg@feenix.metronet.com | 214/231-3998 (voice)
P.O. Box 850472 | marcbg@esy.com | 214/231-0025 (fax)

Richardson, TX 75085 |

|

Date: Tue, 20 Jul 93 10:53:42 CDT

From: usc!howland.reston.ans.net!darwin.sura.net!news-feed-2.peachnet.edu!umn.edu!
kksys.com!edgar!brainiac!moron!pillock!stevej@network.ucsd.edu

Subject: Communities that... DUANE - PR - NON-ARRL HAMS READ THIS

To: info-hams@ucsd.edu

wb9omc@dynamo.ecn.purdue.edu (Duane P Mantick) writes:

...a lot of good ideas deleted...

>

> Amateur Radio needs good PR right now, maybe more than ever. But if
> each one of us just sits back and stares at the old CRT here and
> figures somebody else will do it, it won't get done. And there
> will be MORE restrictive zoning, and we will lose more spectrum without
> a fight.

>

> Duane
> WB9OMC

>

Duane,

Boy! If this isn't the pot calling the kettle black!!!!

All this verbage from a non-member.

First, you have a lot of very good ideas and in the last few messages you have create a basic ACTION PLAN of the steps to be taken in a proactive PR campaign. Since you have the concept and road map of what needs to be done and the passion to do it, then I suggest, recommend, and employ you to contact either HQ or your Divisional Director with your well written plan. Duane, grab this bull by the horns and lets see some PR out there!!

Second, the ARRL does not have infinite resources (money, for those of you in Rio Linda, CA. - Rush...) and unlike our government, the League tries not to bugdet money for a new program unless it is beneficial for all hams and can be supported on an ongoing basis. It does not matter what you think of the ARRL, it is still the most professional and level headed organization we have to represent us. All this made possible by the money of only 1/3rd of us. Think what could be done if 1/2 of the remaining 2/3rds would become Life members. What a wonderful investment for the young guys/gals, what a great legacy for the OF's. I am continually amazed at the amount of

non-members that yearly put out \$1000 - 3000 for radio equipment and can't find a lousy 30 bucks per year for membership or \$675 for Life membership which can be amortized over 1-1/2 years. The same people that complain the loudest. Become a member, get involved and fix it!!!!

Steven E. Jarosh, KA0VYB

Life Member - 35 years old - Not rich yet and definitely not an OF!!

Microwavers do it with higher frequency

Date: 21 Jul 93 20:27:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: Create Antennas
To: info-hams@ucsd.edu

There was a question about Create antennas the other day.

They are great!

I have a friend who has the VHF/UHF log periodic other than the normal gain difference from an antenna that is designed for the freq you're operating on it works SUPER.

I understand that several of the US companies are offering Create equipment now. Way to GO!!

Roland

7J1AKI/WF4P

or

cowanr@zama-emh2.army.mil

Date: 21 Jul 93 04:51:59 GMT
From: usc!howland.reston.ans.net!ux1.cso.uiuc.edu!vixen.cso.uiuc.edu!uwm.edu!ogicse!henson!netnews.nwnet.net!raven.alaska.edu!news.acns.nwu.edu!casbah.acns.nwu.edu!park@network.ucsd.edu
Subject: Foreigner getting US liscence ?
To: info-hams@ucsd.edu

In article <1993Jul19.105601.27922@ennews.eas.asu.edu> shandrow@enuxva.eas.asu.edu (Darrell B Shandrow) writes:

>Yes, I believe you can get a U.S. ham license. However, I would sure hope
>you could turn that license back into an equivalent class license when you
>go back home. I'd be looking into that. If so, then definitely go for it!

I don't want that much, tough :-)

As long as I can get US license, it's fine for now.

I think I can take another exam for higher calss license after I return

to my country if it's necessary.

BTW, thanks for all who responded to my question via emails and followups.
They reminded me of a phrase: "Amateur is friendly" :-)

Cheers !

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Yongsup Park(9Z ?k <7)      \   park@anmsd3.msdl.anl.gov      /   Intentionally
Physics & Astronomy Dept.    \   park@casbah.acns.nwu.edu     /   left as a
Northwestern University      \   B40180@ANLVCV1.BITNET       /   blank space.
-----
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Date: Wed, 21 Jul 93 00:19:38 GMT
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net
Subject: Info on Icom P2AT
To: info-hams@ucsd.edu

bodoh@dgg.cr.usgs.gov (Tom Bodoh) writes:

: In article <22foc0INN44@uwm.edu>, pachner@csd4.csd.uwm.edu (Thomas Jay Pachner)
writes:

: |> I have an opportunity to pick up an Icom P2AT for a real reasonable price.
: |> (he needs the money). I know it does out of band receive, but what about out
: |> of band transmit so I could use it on low power for business band, or for
: |> marine communications. Thanks for info. you might have.

: |>

: |> --

: |> =====
: |> Thomas Jay Pachner ==- Music Major, Bassist, and Amateur Operator (soon)

:

: --

: You cannot LEGALLY use a 2M rig on anything other than Amateur 2M frequencies
: because it is not type accepted by the FCC for use on those bands. It may
: work and it may work as well as a radio designed for use on those bands. It
: in fact may be identical to a rig that is type accepted - except for jumpers
: which limit the band. Even if it is the same unit - the units sold as 2M
: transceivers are not type accepted for business/marine/public service and will
: earn you an FCC fine if you are caught. I suppose you could even lose your
: (pending) amateur license...

:

: ++++++
: + Tom Bodoh - Sr. systems software engineer, Hughes STX, N0X?? (in the mail) +
: ++++++

Absolutly correct!

You can LISTEN there....but you CANNOT talk there!

Randy, KA1UNW

:

Date: Wed, 21 Jul 93 00:55:15 GMT
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net
Subject: Radio Shack
To: info-hams@ucsd.edu

swamik@orca.NoSubdomain.NoDomain (Swami Kumaresan) writes:

: I love reading the articles abt RipOff Shack!!

:

: I called the other day to ask if RS had a certain transistor. The salesdroid
: said "Yes, it can be found in our cross reference.."

: I said: "Could u please look up (whatever it was) for me..."

: salesdroid: "Oh, I, uh, I have a line of customer waiting...but
: u can look it up if u want..."

: I said: "I am sitting at home, abt 10 miles from ur store, hence

: I cannot look it up from here, maybe u missed that..."

: salesdroid: "Well, sir, like I said I have a bunch of customers..."

: I said: "Yeah...Right.." and Hung Up!!!

:

: Perhaps that was rude, but this is not the first instance a RS saledroif has
: been to lazy to help me over the phone. I once asked if they sold gell cell
: batteries and the idiot said "Jello, we don't sell Jello...".

:

: I have a whole bunch of stories like this...

: But no need to tell all of them, u get the picture.

:

: 73s

:

: Swami Kumaresan

: swamik@orca.ele.uri.edu

: swamik@morio.e-technik.uni-kl.de

: KB1AMB@KA1AZ.RI (Ham Radio BBS)

: kb1amb@kb1amb.ampr.org AMPRNet (Amateur Packet Radio TCP/IP Network)

:

: KB1AMB/AA Advanced Class Amateur Radio Operator

: I Monitor 147.165/.765 Repeater

: & 20 meter band (SSB & CW)

:

: 73s

:

How true!...but...I will say this about Radio Shack:

 Their transistors are A OK+ if you don't exceed the ratings

 Their resistors are A OK+ if you don't exceed the ratings

Their capacitors are A OK+ if you don't exceed The ratings
Their batteries are A OK+ if you don't exceed the ratings
Their clerks are A OK+ if you don't exceed the ratings

73's

Randy,KA1UNW

Date: 21 Jul 93 05:38:49 GMT
From: munnari.oz.au!metro!mippet.ci.com.au!eram!dave@uunet.uu.net
Subject: Radio Shack
To: info-hams@ucsd.edu

In article <17946@news.duke.edu>,
jbs@ee.ee.duke.edu (Joe B. Simpson) writes:

| <Perhaps that was rude, but this is not the first instance a RS saledroif has
| <been to lazy to help me over the phone.
|
| Maybe he had a bunch of customers waiting?

That depends on whether it's better to make a bunch of customers wait
for a single phone query, or to make the customer on the phone wait
for a bunch of people at the counter...

--
Dave Horsfall (VK2KFU) VK2KFU @ VK2RWI.NSW.AUS.OC PGP 2.3
dave@esi.COM.AU ...munari!esi.COM.AU!dave available

Date: Wed, 21 Jul 93 00:38:32 GMT
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net
Subject: TNC keys DJ-580
To: info-hams@ucsd.edu

michel@bbn.com (Tony Michel) writes:
: Warren, KD4YRN, complains that his TNC will not key his DJ-580. He says
: he tried "various values" of R & C.
:
: Warren - You didn't say what values you tried. I found that with a PacComm
Tiny-2
: (quite a nice box) I required a resistor no larger than 2.7K to get my DJ-580
: to key. As I recall, the recommended value was 5K, but that didn't work. I
: didn't fool around with a capacitor, and I didn't use the recommended 3-pin
: connector (available where?), so I'm probably wasting some power by shorting

: the mike power limiting resistor to ground. But it keys fine, it runs for a
: long time on a battery charge, and the radio doesn't get very hot. Try a
smaller

: pull-down resistor. (Not too small, though!)

:

: AXM

: kd1ik

=====
some radios need this:

```
mic plug o-----+-----)(----- tnc audio line
              --+      |
              |          |___/\ /\ \___ tnc ptt line
              |          |
              |_____ tnc gnd
              shield braid
```

capacitor, usually .47uf will work fine.

resistor, sometimes as low as 150 ohms!

(if it seems to want to be that low, use a 500 ohm trimpot, adj for best
over all operation)

As long as you don't PUT voltage into radio mic line (like 5 or 12 v)
you won't hurt anything in attempt to find proper resistance.

Is the tnc set up to provide equal to a closed ckt to gnd upon SEND ?

Randy,KA1UNW

Date: Tue, 20 Jul 1993 00:57:01 EST

From: anomaly.sbs.com!kd1nr!system@uunet.uu.net

Subject: TS-50, type-acceptance

To: info-hams@ucsd.edu

dana@lando.la.locus.com (Dana H. Myers) writes:

> In other words, I walk into Mike and Tony's Ham Store and ask for an
> HT to use on the 154.600 Mhz itinerant frequency. If they say, "Here,
> use this modified amateur Icom, it'll work", then they've intentionally
> sold you non-type accepted gear where a type accepted radio is required.

You know, that has sort of a ring to it.. Mike and Tony's Ham Store, or
we could call it the MT Ham Store (As in EMPTY HAM STORE). :)

Tony

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-----
      o      o Tony Pelliccio, KD1NR, Control Op 441.750+, ARRL VE
        \    / system @ garlic.sbs.com                Soon W5YI VE
          \__/_/
            (oo) Cow humor. Sort of like the Far Side.
      /|  ___ \
    / | {MTV} || MooTV - Rockin' Bumpin' and Funkin' into the 90's
  *  || {___} ||
    ||-----|| (And people thought my last .sig was long, ha!)
    ^^      ^^
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Date: Wed, 21 Jul 93 00:09:55 GMT
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net
Subject: TS50 Illegal!
To: info-hams@ucsd.edu

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levin@bbn.com (Joel B Levin) writes:
: system@garlic.sbs.com (Tony Pelliccio) writes:
: |levine@mc.com (Bob Levine) writes:
: |> The lead article in this week's W5YI Report is the story of several
: |> Ham Radio retailers (like HRO) who were fined $7000 for selling the TS50
: |> because it can transmit out of the Ham bands right out of the box
: |> and it isn't type accepted for those frequencies. The article also
:
: Curiouser and curiouser. My HF rig also transmits outside the ham
: bands; the Yaesu FT990 happily transmits the entire 500khz surrounding
: each ham band (I believe, I haven't actually transmitted there, of
: course :-). The only special protection, apparently added as an
: afterthought or as an extra item, is that on the 160m band, below 1800
: the radio _acts_ as if it's transmitting, but doesn't. (There is a
:
: There is no apparent protection from transmitting on, say, 7.300 to
: 7.500, 10.000 to 10.010 or 14.350 to 14.500.
:
: /J
:
: (stuff deleted/save space amd eyes)

```

OK...I think I see whats going on:
 TS-50 is a 10mtr rig...oh say like the 25-10 , 2600, HDX-100 ?
 And being a favourite of C/B ers , to re-do them down to 11, use all the
 extra (to them) frills such a rig has, They were being sold TO C/B ers,
 or the 'risk' that it was occurring...etc.

YES...there, then 'type acceptance' (concerning the frequency range!)

would be missing....

C/B was originally set up as a poor mans 'taxi cab radio'....a business like radi, but useable by tiny businesses, familys...etc...and so came under the same rules as for commercial 2 way sets.

All you had was Vol, Squelch, Freq selector and the user need not know any more than how to use a telephone....so is way all the preset this and thats.

C/B, I believe, is still under those rules...the sets must only run on just the c/b freqs...no place else.

Any radio set that is used on c/b that does otherwise is NOT type accepted.

NOW...for ANY kind of ttransmitter, there is a tech requirement that it does not spray all over the dial (spectral purity).

Hams. who build their own gear would be expected to insure their gear conforms to those specs, and so would not have to get type acceptance. (I assume of course , rig is used only on Ham bands , no matter how far the dial can turn)

====

Other gear...say, factory made, would need to at least conform to the spectral purity part.....and it looks like....because of how notorious c/b ers are, any equip that can tune 'too close' to c/b is a special case, RE: RF power amps....no 12/ 10 mtr coil...

25-10 like sets (yummy to c/b) that are 1 banders, easy to move 'em..

The ones too tempting / easy to put on c/b in other words.

Those then might have 'special' type acceptance.

Rigs like---oh...TS-440 and Collins and all those...being all banded,but usually way outa sight for a c/b er to buy....are considered less of a threat and so theres less concern, so they'd have 'type acceptance' mainly for it's spectral purity....and not for it's freq span capacity.

Am I right? If so (or near so) then it makes sense.

All I have here is a Collins and some home brew stuff....so I can't go look at any FCC tags on the rear! :)

Randy, KA1UNW

Date: 20 Jul 93 14:13:15 GMT
From: ddsww1!indep1!clifto@uunet.uu.net
Subject: TS50 Illegal!
To: info-hams@ucsd.edu

In article <22e778\$t15@jericho.mc.com> levine@mc.com writes:
>The lead article in this week's W5YI Report is the story of several
>Ham Radio retailers (like HRO) who were fined \$7000 for selling the TS50
>because it can transmit out of the Ham bands right out of the box

>and it isn't type accepted for those frequencies. The article also
>specifically mentioned the FT530 HT which can also transmit out of
>the Ham bands right out of the box (140.000 - 150.000)

Funny, years and years ago when I bought an early IC-02AT it came out
of the box able to receive _and_ transmit anywhere from 140.000 to 151.995,
and no one said a thing.

I can't see why they'd get away with this, since it's not illegal to
own transmitting gear without a license, nor is it illegal to sell
transmitting gear to someone not licensed to use it.

Pretty soon we'll see TV manufacturers fined because the horizontal
deflection circuitry has so many harmonics that are clearly audible every
15.734 KHz throughout the shortwave bands. *sigh*

I'm glad to see FCC cracking down on unlicensed and illegal operation,
but maybe they're going a bit off the deep end this time.

--

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+-----+
|  Cliff Sharp  |      clifto@indep1.chi.il.us   OR  clifto@indep1.uucp   |
|   WA9PDM     |                        Use whichever one works          |
+-----+
```

Date: 21 Jul 93 04:56:51 GMT

From: mnemosyne.cs.du.edu!mercury.cair.du.edu!elesatz@uunet.uu.net

To: info-hams@ucsd.edu

References <CAGynq.r9@egr.uri.edu>, <1993Jul20.165937.10466@ll.mit.edu>,
<edu-200793175401@right.dom.uab.edu>atz

Subject : Re: 2, tr/2watt range...

In article <edu-200793175401@right.dom.uab.edu> edu!uab!dpo!uabdp0!gila005 (Steve
Holland) writes:

>and here in birmingham we can hit a tower in Tuscaloosa, a distance
>of about 50-60 miles, with my HT running on low power, about 1 watt
>into the rubber duck. signal reports I get are 59.

With my stock 2W HT I can reliably hit a repeater 60 miles away if I
am on the 6th story of my building. Of course this is a really wide
area coverage repeater. Some work it from Cheyenne, Wyoming a distance
of ~160 miles.

Eric NOUVD

Date: 20 Jul 93 14:07:52 GMT
From: ddsww1!indep1!clifto@uunet.uu.net
To: info-hams@ucsd.edu

References <CA9yIp.14q@odin.corp.sgi.com>, <1993Jul17.155044.7801@cyphyn.UUCP>,
<22e564\$1gj@cville-srv.wam.umd.edu>
Subject : Re: People with funny ears

In article <22e564\$1gj@cville-srv.wam.umd.edu> ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>
>Scott NF3I See, we're not so advanced after all. Imagine if you could
> teach a dog Morse Code. Of course, getting him/her to WRITE
> down what was sent could be a little tough...

I can just picture coming home to a house full of shredded pillows and couch cushions, and a message on the living room rug in dits (Milk Bone biscuits for small dogs) and dahs (same for large dogs) saying "That's what you get for leaving me all alone like that!"

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+-----+
|  Cliff Sharp  |      clifto@indep1.chi.il.us  OR  clifto@indep1.uucp  |
|  WA9PDM      |      Use whichever one works                        |
+-----+
```

Date: Wed, 21 Jul 1993 03:46:49 GMT
From: usc!howland.reston.ans.net!europa.eng.gtefsd.com!emory!athena!
aisun3.ai.uga.edu!mcovingt@network.ucsd.edu
To: info-hams@ucsd.edu

References <22aobc\$n85@news.acns.nwu.edu>, <jfhCADB5M.CLK@netcom.com>,
<CADLKI.E8n@unccsun.uncc.edu>i.uga.e
Subject : Re: Foreigner getting US liscence ?

In article <CADLKI.E8n@unccsun.uncc.edu> jmcovingt@unccsun.uncc.edu (John Covington WN4BBJ) writes:

>In article <jfhCADB5M.CLK@netcom.com> jfh@netcom.com (Jack Hamilton) writes:
>>You also cannot be a representative of a foreign government. I don't know
>>why that requirement is there - a holdover from more jingoistic days?
>
>Most representatives of foreign governments have diplomatic immunity,
>and therefore can't be fined by the FCC for breaking the rules.

And they operate under their licenses from their home countries.
One day VK7ZFA turned up on the local repeater... that was how...

>John Covington WN4BBJ Internet: jmcoving@mosaic.uncc.edu
:- Michael A. Covington, Associate Research Scientist : *****

Should we organize a Covington Net? :)

--

:- Michael A. Covington, Associate Research Scientist : *****
:- Artificial Intelligence Programs mcovingt@ai.uga.edu : *****
:- The University of Georgia phone 706 542-0358 : * * *
:- Athens, Georgia 30602-7415 U.S.A. amateur radio N4TMI : ** *** ** <><

End of Info-Hams Digest V93 #883
